MEETING NOTES

200 West Tank Farms Interim Measures Investigations

MEETING DATE: June 19, 2013

LOCATION: Washington State Department of Ecology, Richland Office

ATTENDEES:

Jim Alzheimer (Ecology)	Dan Parker (WRPS)
Susan Eberlein (WRPS)	Julie Robertson (Freestone Environmental Services)
Dan Glaser (WRPS)	Maria Skorska (Ecology)
Michelle Hendrickson (Ecology)	Harold Sydnor (WRPS)
R.D. Hildebrand (DOE)	Cindy Tabor (WRPS)
Jeff Lyon (Ecology)	Becky Wiegman (WRPS)

BACKGROUND: This meeting was part of the continuing effort to provide a communication avenue between Ecology and DOE representatives to discuss the documents, field work, and results of interim measures investigations being undertaken at the 241-TX, 241-SX, and 241-U Tank Farms. A list of open and unresolved actions and the status of those actions will be tracked and resolutions documented as part of the meeting notes.

DISCUSSION:

Prior Meeting Notes: Prior meeting notes were all confirmed to have been placed into the Tri-Party Agreement Administrative Record.

Status of the Work Plan: There is no change to the status of the approved work plan, *200 West Area Tank Farms Interim Measures Work Plan* (RPP-PLAN-53808, Revision 1).

Status of the TX Farm SAP: The *Sampling and Analysis Plan for Soil Samples in Support of Interim Measure Planning at the 241-TX Tank Farm* (RPP-PLAN-54376, Rev. 1) was transmitted to Ecology on May 30, 2013. The revised SAP responds to an Ecology comment as documented in DOE transmittal letter 13-TF-0039. **ACTION**: By June 29, 2013, Ecology will transmit a letter formally approving the revised SAP.

Status of Ongoing Field Work: WRPS distributed a simple graphic illustrating the anticipated vadose zone field work schedule through the first quarter of fiscal year 2015. The general sequence has direct push fieldwork being performed first at SX Farm (Stage I/II), then C Farm, then back at SX Farm (Stage III installation of extraction and monitoring boreholes), and then TX Farm. In parallel, surface geophysical exploration (SGE) work will be conducted first at U Farm and then at C Farm. All actions were reported to be on schedule.

- C Farm Direct Push: Vertical boreholes were pushed to total depth of ~211 ft to ~220 ft at four locations at the C-200 tanks. The four holes were logged, and nine deep electrodes were installed per hole. Work was completed in late May.
- TX Farm Direct Push: Installation of four boreholes at the southern end of TX Farm was reported to be underway. To provide adequate working space around the rig, site C8813 was moved 6 ft southeast, and site C8811 was moved 4 ft northwest of the locations staked during walk downs. Site C8813 was pushed to 7 ft bgs when the rig broke. As expected, site C8811 met refusal at ~113 ft bgs, and site C8809 met refusal at ~111 ft bgs. Logging has begun at site C8811. Site C8807 was pushed to 4 ft bgs when a second rig broke. Arrangements are being made to bring in a third rig. WRPS expects to call a sample depth selection meeting in July 2013.
- SX Farm Direct Push: Installation of the first (C8823) of four planned boreholes to support the porewater extraction test has begun. Each of the four boreholes will be designed for both monitoring and extraction purposes. Up to three of the boreholes will be used for monitoring of the extraction test, with the actual number depending on successful well completions. In response to an earlier request from Dr. Skorska, the current test system design was presented. A series of four drawings addressing the site plan, borehole design, and above-ground test system design were distributed for discussion, as well as several photographs of a prototype of the well packer to be used. Mr. Parker led the design discussion. It was noted that the monitoring and extraction well design had changed from a previous design concept, and that now a sump will be grouted into the bottom of the well. The well will be screened above the sump, and a well packer will be placed above the screen to provide a seal and minimize infiltration of air from above. An air-operated bladder pump will be lowered into the sump and will be pumped intermittently during the test, as water accumulates. Accumulated water will be pumped to a filtered container located in a trailer at the ground surface, sampled, and sent to the Effluent Treatment Facility (ETF) for disposal. **ACTION**: Mr. Parker will ensure an appropriate waste management strategy is in place for the extracted porewater. A radioactive air permit application is being prepared to support the project.
- Surface Geophysical Exploration Work: At U Farm, 2-D data collection is complete, and 3-D data is being collected. WRPS expects to complete U Farm field work in July 2013. At C Farm, newly installed electrodes are equilibrating, and data collection is expected to begin in July 2013.

Data Status: No update was provided.

New Topics: WRPS reported that C Farm performance assessment work will be restarted soon. The team will work with experienced personnel from CHPRC and INTERA and will factor in lessons learned from the ERDF performance assessment. Ecology requested an informational briefing.

Next Meeting: The next meeting is scheduled for July 17, 2013, at 10:00 am.

ACTIONS: Refer to the following table. A date-based numbering system is used to track the actions. Actions will be removed from the list after DOE and Ecology have agreed to close the action.

R Douglas Hildebrand		7-17-2013
DOE Project Manager (print)	DOE Project Manager (signature)	Date
Jeffory J Lyon		7-29-13
Ecology Project Manager (print)	Ecology Project Manager (signature)	Date

Item #	Topic/Title	Actionee	Description	Status
2013-03-20-3	Respond to Rev. 0 TX SAP	Barnes	Prepare letter formally responding to DOE submission of Rev. 0 TX SAP, requesting date for provision of TX data package.	Closed
2013-04-17-1	Provide May 2013 Status by email	Eberlein/Hildebrand	Cancel May 2013 meeting and provide email status report in lieu of meeting.	Closed
2013-06-19-1	Transmit SAP Rev. 1 approval letter	Skorska	Formally approve revised SAP by June 29, 2013	New
2013-06-19-2	Ensure appropriate waste management strategy is in place for extracted SX porewater.	Parker	Ensure appropriate waste management strategy is in place for extracted SX porewater	New